

Municipal Yearly Operational Plan 2017

Town of Framingham



Department of Public Works

*Municipal Operations Center
100 Western Avenue
Framingham, Massachusetts 01702*

INTRODUCTION

The purpose of 333 CRM 11.00, Rights of Way Management, is to promote the implementation of integrated pest management techniques and to establish standards, requirements and procedures necessary to minimize the rash of unreasonable adverse effects on human health and the environment associated with the use of herbicides to maintain streets. These regulations establish procedures, which guarantee ample opportunity for public and municipal agency review and input on the right-of-way maintenance plans.

A yearly Operational Plan or YOP must be submitted to the Department of Food and Agriculture every year herbicides are intended for use to maintain Rights of Way. The YOP provides a detailed program for vegetation management for the year. A five-year Vegetation Management Plan (VMP) has been approved by the Department and is available for review at the Board of Health, Conservation Commission, and office of the Chief-elected official of the municipality.

Upon receipt of this YOP, the Department publishes a notice in the Environmental Monitor. The applicant must provide a copy of the proposed YOP and Environmental notice to the Board of Health, Conservation Commission, and the Chief elected municipal official for the city or town in which the herbicide treatment is proposed. The Department allows a 45-day comment period on the proposed YOP beginning with publication of the notice in the Environmental Monitor and receipt of the YOP and Environmental Monitor notice by each municipality.

Public notification and herbicide application to the streets is made at least 21 days in advance of the treatment by a separate notice. Notice is made to the Department of Food and Agriculture, the Mayor, City Manager or chairman of the Board of Selectman, the Board of Health, and the Conservation Commission of the municipality where the streets lie.

Any comments on this YOP should be directed to the contact person listed on page 3.

YOP Requirements and Table of Contents	PAGE
I. Individual Supervising YOP	3
II. The Municipal Department which will perform any herbicide treatment.	4
III. Herbicides proposed, including application rates, carriers, adjuvants.	5
IV. Herbicide application technique and alternative control Procedures	6
V. Identification of target vegetation	7
VI. Flagging methods to designate sensitive areas on the ROW	8-9
VII. Procedures and locations for handling, mixing, and loading of herbicide concentrates	10
VIII. Emergency Contacts	11

APPENDICES

- A. Herbicide Fact Sheets as approved by the Department
- B. Map locating the Streets
- C. Streets to be treated

I. Individual Supervising YOP

Individual supervising implementation and conditions of the YOP


Name and Title: Daniel Nau
Director of Highway and Sanitation

Department: Department of Public Works

Address: 100 Western Ave.
Framingham, MA 01702

Telephone Number: (508) 532-6030

Signature:


Daniel S. Nau

II. Municipal Department Performing Herbicide Treatment

Framingham Department of Public Works

Contracted employees will perform herbicide treatment. Applicators are certified by the Department of Food and Agriculture in the applicator category.

Name: Ryan O'Leary

Company: Northern Tree Services

Address: 1290 Park Street
Palmer, MA. 01069

Telephone Number: 1-413-221-2359

Signature: _____
Ryan O'Leary

III. Herbicides Proposed including Application Rates, Carriers, Adjuvants

Herbicides that may be used on municipal roadways will be the following. They shall not be mixed together.

<u>Trade Name</u>	<u>EPA Reg No</u>	<u>Active Ingredients</u>	<u>Guidelines</u>
Roundup Pro	524-475	Glyphosate	See Attached
Razor Pro	228-366	Glyphosate	See Attached

The names and the active ingredients of the herbicides proposed and the names of any carriers, adjuvants or additives to be used. Herbicide Fact Sheets for the herbicides proposed are found in Appendix A.

<u>Control Method</u>	<u>Herbicide(s) Mixture %</u>	<u>Carriers or Adjuvants</u>	<u>Application Rate/Acre</u>
Foliar Treatment	2 oz/gal 3%	NA	NA

Control Method will be one of the following: hand cutting, mowing, foliar treatments, cut stump treatment, or selective trimming.

IV. Herbicide Application Techniques and Alternative Control Applications

Roadway vegetation management will involve mechanical methods (sweeping, hand cutting, selective trimming and mowing) and chemical control (foliar herbicide treatments and cut stump treatments). The particular method(s) chosen will be based on a variety of factors to establish an easily maintainable, stable plant population that will not interfere with vehicles or pedestrians. Emphasis will be given to the control tactic that will address the vegetation problems in the most environmentally sound manner and in a way to minimize vegetation control in the long term. The method chosen for given vegetation problems will attempt to achieve a long term, low maintenance vegetation management program.

Chemical controls include foliar treatments. The type of equipment for foliar treatments will be hand sprayer, lowpressure hydraulic pump utilizing hand gun, low pressure hydraulic pump boom or nozzle application with manual control, WeedSeeker Selective low pressure hydraulic pump boom. The treatment uses low pressure, below 60 psi at the nozzle, for application.

V. Identification of Target Vegetation

Target Vegetation along roadways is limited to vegetation which poses a public nuisance and/or poses a risk to pedestrian or vehicular safety. Target vegetation and control methods intended are indicated below. For a full description of each target vegetation, refer to the VMP.

<u>Target Vegetation</u>	<u>Mechanical Control</u>	<u>Chemical Control</u>
Public Nuisance Vegetation- poison Ivy and other "poisonous" vegetation growing within 10 foot roadway	-----	low volume low pressure foliar spray
Nuisance Grass- stem density and height impedes movement or hampers visibility	selective trimming and mowing	low volume low pressure foliar spray
Vegetation Posing A Risk to Safety- Vegetation hampers visibility or impedes movement along roads and trails	hand cutting and selective trimming	low volume low pressure foliar spray

VI. Flagging Methods to Designate Sensitive Areas on the Row

Sensitive areas are identified as public ground water supplies, public surface water supplies, private drinking water supplies, surface waters, wetlands, habitated areas and agricultural areas. For the purpose of identification, sensitive areas are separated into two categories, areas not readily identifiable in the field, and areas that are identifiable in the field.

Sensitive areas not readily identifiable in the field include public groundwater supplies, wetlands, private water supplies and public surface water supplies. These will be flagged and marked as "No Spray Zones" in the following manner:

FLAGGING METHODS

Pink pavement markings will be used to identify "No spray zones" pavement, granite curbing and sidewalks will be marked with a pink line with the letters stenciled NSZ.

Qualified FDPW personnel will be ahead of crews to flag the no spray zones. Crews will be provided with street maps with no spray zones clearly marked.

Process of sensitive areas:

1. Areas to be sprayed were walked to determine sensitive areas
2. Questionable areas were checked by Conservation Commission
3. Board of Health records were reviewed to locate wells of older homes that do not confirm to today's stringent setback requirements. Homeowners were contacted in cases where no records were available.

SENSITIVE AREA RESTRICTIONS (333 CMR 11.04)

<u>Sensitive Area</u>	<u>No-Spray Zone</u>	<u>Limited Use Zone</u>
Wetlands	125 feet	10-100 feet Selective low pressure Storm treatments Comply with local Conservation regulations.
Public ground Water Supplies	400 feet	Primary Recharge Area: 24 months must elapse between application; Selective low pressure storm treatments

Public surface water Supplies	100 feet	100-400 feet, 24 months must elapse between Application; selective pressure storm treatments.
Private Drinking Water	125 feet	50-1000 feet 24 months must elapse Between application: Selective pressure storm treatments.
Surface Waters	125 feet	10-100 feet 12 months must elapse between application: Selective pressure storm treatments.
Agricultural and Habituated		0-100 feet 12 months must elapse Between application: Selective pressure storm treatments.

VII. Procedure and Locations for Handling Mixing and Loading of Herbicide Concentrates

All mixing and loading of herbicides will be conducted at a public works facility or at the contractor facility. Only the amount of herbicide necessary as determined by monitoring results will be mixed to carry out the vegetation control. The vehicle carrying out the spray operations or the supervising DPW vehicles will be equipped with a bag of absorbent, activated charcoal, leak-proof containers, a broom and a shovel in case of minor spills. A clipboard log of the herbicides on the vehicle will be kept on the vehicle. Herbicide labels and fact sheets should be carried on-site by the applicator.

As soon as any spill is observed, immediate action will be taken to contain the spill and protect the spill area. The cause of the spill must be identified and secured. Spill containment will be accomplished by covering the spill with absorptive clay or other absorptive material or, for large spills, building clay or soil dikes to impede spill progress. Until completely clean, protection of the spill area will be accomplished by placing barriers, flagging or crew members at strategic locations. If a fire is involved, care will be taken to avoid breathing fumes from any burning chemicals.

Minor spills will be remedied by soaking up the spill with absorptive clay or other absorptive material and placing it in leak-proof containers for proper disposal. Dry herbicides, such as granulars, will be swept up or shoveled up directly in leak-proof containers for proper disposal. All contaminated soil will be placed in leak-proof containers, removed from the site, and disposed of properly. Activated charcoal will be incorporated into the soil at the spill location at a rate of seven pounds per thousand square feet to inactivate any herbicide residue. Any minor spill will be reported to the Pesticide Bureau.

Major spills will be handled in a similar manner as minor spills, except in cases where the spill cannot be contained and/or removed by the crew. In this case, the DEP Incident Response Unit and Pesticide Bureau must be contacted.

VIII. Emergency Contacts

In the event of a spill or emergency, information on safety precautions clean-up procedures may be gathered from the following sources:

Herbicide Label

Herbicide Fact Sheet

Herbicide Material Safety Data Sheet

Herbicide Manufacturer

Monsanto (617) 551-7200

Massachusetts Pesticide Bureau (617) 626-1784

Massachusetts Department of Environmental Protection (617) 292-5500

Chemtrec (800) 262-8200

Pesticide Hotline (800) 858-7378

Massachusetts Poison Control Center (800) 222-1222

Local Police 911

Local Fire 911

Streets to be Treated 2017

Fountain Street
Winthrop Street
Mellin Street
Hollis Street
Irving Street
Beaver Street
Grant Street
Bishop Street
Howard Street
Hartford Street
Lincoln Street
Union Avenue
Main Street
Franklin Street
Mt. Wayte Avenue
Maple Street
State Street
Maynard Road
High Street
Salem End Road
Winter Street
Pleasant Street
Temple Street
Vernon Street
Library Street
Oak Street
Edgell Road
Brook Street
Frost Street
Water Street
Potter Road
Elm Street
Concord Street (Sax Sq. to Rt. 9)
Rt. 30 (Concord St. to Rt. 9)
Beacon Street
Summer Street
Central Street
School Street
Hamilton Street
Old Conn. Path
Speen Street
Rt. 30 (Concord St. to Mass Pike includes center island)

Note: Subject to funding



The Official Website of the Executive Office of Energy and Environmental Affairs

Energy and Environmental Affairs

[EEA Home](#) > [Agencies](#) > [Department of Agricultural Resources](#) > [Rights of Way Sensitive Area Materials List](#)

Rights of Way Sensitive Area Materials List

Active Ingredient Use Restrictions	Product Names (EPA #) Registrant	
Aminopyralid	Milestone (62719-519) (Product Review) Opensight (62719-597) (Product Review) DOW AgroSciences	
Glyphosate Lowest Labeled Rate for all Glyphosate products	Round Up Pro (524-475) Monsanto	Glypro-Plus (62719-322) Accord Concentrate or Rodeo (62719-324) DOW AgroSciences
	Aquaneat Aquatic Herbicide (228-365) Razor (228-366) Razor-Pro (228-366) Nu Farm Americas	While Accord Concentrate, Rodeo, Glyphosate VMF and Aquaneat all have aquatic uses, approval for their use as sensitive materials does NOT mean that they can be used for aquatic weed control, or directly applied to water, as part of a rights of way management program. Products are subject to the no-spray and limited spray provisions of 333 CMR 11.04.
Metsulfuron Methyl Lowest Labeled Rate for all Metsulfuron Methyl Products*	Escort XP (432-1549) Bayer CropScience Escort XP (352-439) EI Dupont	Patriot Selective Herbicide. (228-391) Nu Farm Americas
Sulfometuron Methyl Lowest Labeled Rate for all Sulfometuron-Methyl Products*	Oust XP (432-1552) Bayer CropScience Oust XP (352-601) EI Dupont	Spyder Selective Herbicide (228-408) Nu Farm Americas
Metsulfuron Methyl Sulfometuron Methyl Lowest Labeled Rate*	Oust Extra (432-1557) Bayer CropScience Oust Extra (352-622) EI Dupont	
Ammonium Salt of Fosamine Lowest Labeled Rate*	Krenite S (352-395) EI Dupont	Krenite S (42750-247) Albaugh, Inc.
Imazapyr 3 pints/acre every 3rd year OR 2 pints/acre every other year for all Imazapyr Products	Arsenal (241-346) Arsenal Powerline (241-431) Arsenal Railroad Herbicide (241-273) BASF	Polaris AC Complete Herbicide (228-570) (Product Review) Polaris Herbicide (228-534) Nu Farm Americas
Triclopyr, Butoxy Ethyl Ester The lowest of the following rates: 1. Between 10 feet and 50 feet of the resource: Lowest labeled rate* or 0.5 pints per acre 2. Between 50 feet and the boundary of the limited spray zone: Lowest labeled rate* or 3 pints per acre	Garlon 4 (62719-40) Dow AgroSciences Garlon 4 Ultra (62719-527) Dow AgroSciences	
Paclobutrazol Lowest Labeled Rate*	Cambistat (74779-3) Rainbow Tree care	

Contact

Hotze Wijnja
Hotze.Wijnja@state.ma.us
 617-626-1771

Additional Resources

[Department of Agricultural Resources](#)
[Division of Crop and Pest Services](#)
[Pesticide Program](#)
[Rights of Way Vegetation Management](#)
[Herbicide Review Process for Sensitive Areas](#)
[Rights of Way Sensitive Area Materials List](#)
[Vegetation Management & Yearly Operation Plans](#)

See All

* **Lowest labeled rate** the minimum labeled rate of the pesticide product for the appropriate site, pest and application method

Disclaimer

The Massachusetts Department of Agricultural Resources (MDAR) makes no endorsement of any companies, organizations, persons, products, trade or brand names referenced in this Rights of Way Sensitive Area Materials List ("the list"). Active Ingredients on the list are reviewed pursuant to a Cooperative Agreement between MDAR and the Massachusetts Department of Environmental Protection. Only environmental fate and toxicological data, including ecotoxicological data, are reviewed when evaluating an active ingredients suitability for inclusion on the list. Inclusion on the list does not represent any endorsement by MDAR as to the efficacy of the active ingredient for rights-of-way vegetation management.

Did you find the information you were looking for on this page? *

☐ Yes

☐ No

Send Feedback

© 2017 Commonwealth of Massachusetts.

Mass.Gov® is a registered service mark of the Commonwealth of Massachusetts.

[EEA Site Policies](#) [Contact EEA](#) [About EEA](#) [Public Records Request](#)

MUNICIPAL ROADWAY VEGETATION MANAGEMENT PLAN

This Municipal Roadway Vegetation Management Plan submitted to the Massachusetts Department of Food and Agriculture pursuant to the Rights of Way Management Regulations (333 CMR 11.00) has been reviewed and is recommended for adoption in the below named municipality. The undersigned hereby acknowledges the conditions of the Municipal Roadway Vegetation Management Plan will be adopted and complied with.

MUNICIPALITY: TOWN OF FRAMINGHAM

PLAN TYPE: (CIRCLE ONE)

Vegetation Management Plan
VMP

Yearly Operational Plan
YOP

PLAN AUTHOR: Daniel S. Nau- Director of Highway and Sanitation

DEPARTMENT: Department of Public Works

ADDRESS: 100 Western Ave., Framingham, MA 01702

PHONE NUMBER: (508) 532-6030

FAX: (508) 620-4801

SIGNATURE, PLAN AUTHOR: Daniel S. Nau

SIGNATURE, CHAIRPERSON, BOH: Michael Blanchard

SIGNATURE, CHAIRPERSON, CONSERVATION COMMISSION: Robert McArthur

SIGNATURE, CHIEF ELECTED OFFICIAL: Cheryl Tully Stoll

A copy of this document should be kept on file in the municipality offices. Please send the original to the Massachusetts Department of Food and Agriculture with the submitted Vegetation Management Plan/Yearly Operational Plan.

Massachusetts Department of Food and Agriculture, Pesticide Bureau, Right of Way Program, 251 Causeway Street Suite 500, Boston, Massachusetts 02114-2151.

MUNICIPAL ROADWAY VEGETATION MANAGEMENT PLAN

This Municipal Roadway Vegetation Management Plan, approved by the Department of Food and Agriculture pursuant to the Rights of Way Management Regulations (333 CMR 11.00), has been adopted by the following roadway vegetation management program of the named municipality. The undersigned hereby acknowledges that the conditions of the Roadway Vegetation Management Plan will be adopted and complied with. The Roadway Vegetation Management Plan will be effective for 5 (five) years unless sooner modified or revoked by the Department.

MUNICIPALITY: TOWN OF FRAMINGHAM

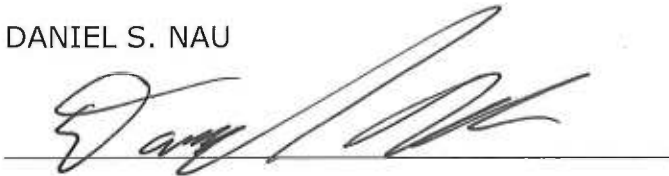
AGENCY: DEPARTMENT OF PUBLIC WORKS

ADDRESS: 100 WESTERN AVE.
FRAMINGHAM, MA 01702

PHONE: (508) 532-6030

NAME: DANIEL S. NAU

SIGNATURE:

A handwritten signature in black ink, appearing to read 'Daniel S. Nau', is written over a horizontal line.

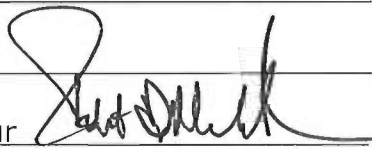
DATE: April 27, 2017

A municipality will be considered to have an approved Vegetation Management Plan only when a completed copy of this cover page is submitted to the Department of Food and Agriculture. The Conservation Commission, Board of Health and chief elected official in the community must receive a copy of this page and the entire Roadway Vegetation Management Plan.

MUNICIPAL YEARLY OPERATIONAL PLAN

2017

This Yearly Operational Plan, approved by the Department of Food and Agriculture pursuant to the Right-of-Way Management Regulations (333 CMR 11.00) has been adopted by the following roadway vegetation management program of the Town of Framingham. The undersigned hereby acknowledge that the conditions of this Yearly Operational Plan will be adopted and complied with.

MUNICIPALITY	TOWN OF FRAMINGHAM
NAME	DANIEL S. NAU
AGENCY	FRAMINGHAM DEPARTMENT OF PUBLIC WORKS
ADDRESS	100 WESTERN AVE., FRAMINGHAM, MA 01702
TELEPHONE	(508) 532-6030
SIGNATURE	
DATE	
WETLAND DELINEATION	Robert McArthur CONSERVATION AGENT